



QY . 241 EGDALFELICEAIGKPOVMVTWVDDENPQHAVLGSPLFINNLNKDNGTCEASNI 300  
Db 241 EGDAFELICEAIGKPOVMVTWVDDENPQHAVLGSPLFINNLNKDNGTCEASNI 300  
QY . 301 VCKAHSDMLXVYDPPTIPPTTTTTTITIDSRAGEGTIGAVDHAVIG 360  
Db 301 VCKAHSDMLXVYDPPTIPPTTTTTTITIDSRAGEGTIGAVDHAVIG 360  
QY . 361 GVAVVVFAMCLLILGGRYFARKGTYTHEAKGADDAADTAINAEGQNSEEKK 420  
Db 361 GVAVVVFAMCLLILGGRYFARKGTYTHEAKGADDAADTAINAEGQNSEEKK 420  
QY . 421 EYF 423  
Db 421 EYF 423

**RESULT 2**  
Sequence 4, Application US/09778187B  
; Patent No. US200216712A1  
; GENERAL INFORMATION:  
; APPLICANT: Baum, Peter R.  
; APPLICANT: Fanslow III, William C  
; TITLE OF INVENTION: MOLECULES DESIGNATED LDCAM  
; FILE REFERENCE: 2844-US  
; CURRENT APPLICATION NUMBER: US/09/778,510  
; CURRENT FILING DATE: 2001-02-07  
; PRIORITY APPLICATION NUMBER: PCT/US99/17906  
; PRIORITY FILING DATE: 1999-08-05  
; PRIORITY FILING DATE: 1998-08-07  
; NUMBER OF SEQ ID NOS: 22  
; SEQ ID NO 20 ;  
; LENGTH: 442  
; TYPE: PRT  
; ORGANISM: Homo sapien  
; US-09-778-187B-4

Query Match 100.0% Score 2197; DB 9; Length 423;  
Best Local Similarity 100.0%; Pred. No. 5e-128;  
Matches 423; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY . 1 AAPGLRLRLLLSSAALIPTGDSNLFTKDVTIVGEVATISCONKSDDSVIQLIN 60  
Db 1 AAPGLRLRLLLSSAALIPTGDSNLFTKDVTIVGEVATISCONKSDDSVIQLIN 60  
QY . 19 AAPGLRLRLLLSSAALIPTGDSNLFTKDVTIVGEVATISCONKSDDSVIQLIN 78  
Db 19 AAPGLRLRLLLSSAALIPTGDSNLFTKDVTIVGEVATISCONKSDDSVIQLIN 78  
QY . 61 PRQTIVYRDRPLKDRFQOLNFSSRLKVSLTNUISDGRCYFCOLYTPPOESTTI 120  
Db 79 PRQTIVYRDRPLKDRFQOLNFSSRLKVSLTNUISDGRCYFCOLYTPPOESTTI 138  
QY . 121 TLYVPPRMLMDIQDKTDAVEGERIEVNCTAMASKPATIRWFKGNKLKGKSEVEEWSM 180  
Db 139 TLYVPPRMLMDIQDKTDAVEGERIEVNCTAMASKPATIRWFKGNKLKGKSEVEEWSM 198  
QY . 181 YTTSQMLKVHEDDGPVICOVERHEAVTGMLQTOXYLEVOKPQHIOQMYPLOSSR 240  
Db 139 YTTSQMLKVHEDDGPVICOVERHEAVTGMLQTOXYLEVOKPQHIOQMYPLOSSR 258  
QY . 241 EGDALFELICEAIGKPOVMVTWVDDENPQHAVLGSPLFINNLNKDNGTCEASNI 300  
Db 241 EGDALFELICEAIGKPOVMVTWVDDENPQHAVLGSPLFINNLNKDNGTCEASNI 318  
QY . 301 VCKAHSDMLXVYDPPTIPPTTTTTTITIDSRAGEGTIGAVDHAVIG 360  
Db 301 VCKAHSDMLXVYDPPTIPPTTTTTTITIDSRAGEGTIGAVDHAVIG 360  
QY . 319 VCKAHSDMLXVYDPPTIPPTTTTTTITIDSRAGEGTIGAVDHAVIG 378  
Db 319 VCKAHSDMLXVYDPPTIPPTTTTTTITIDSRAGEGTIGAVDHAVIG 378  
QY . 361 GVAVVVFAMCLLILGGRYFARKGTYTHEAKGADDAADTAINAEGQNSEEKK 420  
Db 379 GVAVVVFAMCLLILGGRYFARKGTYTHEAKGADDAADTAINAEGQNSEEKK 438  
QY . 421 EYF 423  
Db 439 EYF 441

**RESULT 3**  
US-09-778-510-20  
; Sequence 20, Application US/09778510  
; Patent No. US2002164666A1  
; GENERAL INFORMATION:  
; APPLICANT: Baum, Peter  
; APPLICANT: Baum, Peter R.  
; TITLE OF INVENTION: Molecules Designated B71L  
; FILE REFERENCE:  
; CURRENT APPLICATION NUMBER: US/09/778,510  
; CURRENT FILING DATE: 2001-02-07  
; PRIORITY APPLICATION NUMBER: PCT/US99/17906  
; PRIORITY FILING DATE: 1999-08-05  
; PRIORITY FILING DATE: 1998-08-07  
; NUMBER OF SEQ ID NOS: 22  
; SEQ ID NO 20 ;  
; LENGTH: 442  
; TYPE: PRT  
; ORGANISM: Homo sapien  
; US-09-778-510-20

Query Match 98.7% Score 2169; DB 9; Length 442;  
Best Local Similarity 98.8%; Pred. No. 2.8e-126;  
Matches 418; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY . 1 AAPGLRLRLLLSSAALIPTGDSNLFTKDVTIVGEVATISCONKSDDSVIQLIN 60  
Db 19 AAPGLRLRLLLSSAALIPTGDSNLFTKDVTIVGEVATISCONKSDDSVIQLIN 78  
QY . 61 PRQTIVYRDRPLKDRFQOLNFSSRLKVSLTNUISDGRCYFCOLYTPPOESTTI 120  
Db 79 PRQTIVYRDRPLKDRFQOLNFSSRLKVSLTNUISDGRCYFCOLYTPPOESTTI 138  
QY . 121 TLYVPPRMLMDIQDKTDAVEGERIEVNCTAMASKPATIRWFKGNKLKGKSEVEEWSM 180  
Db 139 TLYVPPRMLMDIQDKTDAVEGERIEVNCTAMASKPATIRWFKGNKLKGKSEVEEWSM 198  
QY . 181 YTTSQMLKVHEDDGPVICOVERHEAVTGMLQTOXYLEVOKPQHIOQMYPLOSSR 240  
Db 139 YTTSQMLKVHEDDGPVICOVERHEAVTGMLQTOXYLEVOKPQHIOQMYPLOSSR 258  
QY . 241 EGDALFELICEAIGKPOVMVTWVDDENPQHAVLGSPLFINNLNKDNGTCEASNI 300  
Db 241 EGDALFELICEAIGKPOVMVTWVDDENPQHAVLGSPLFINNLNKDNGTCEASNI 318  
QY . 301 VCKAHSDMLXVYDPPTIPPTTTTTTITIDSRAGEGTIGAVDHAVIG 360  
Db 301 VCKAHSDMLXVYDPPTIPPTTTTTTITIDSRAGEGTIGAVDHAVIG 360  
QY . 319 VCKAHSDMLXVYDPPTIPPTTTTTTITIDSRAGEGTIGAVDHAVIG 378  
Db 319 VCKAHSDMLXVYDPPTIPPTTTTTTITIDSRAGEGTIGAVDHAVIG 378  
QY . 361 GVAVVVFAMCLLILGGRYFARKGTYTHEAKGADDAADTAINAEGQNSEEKK 420  
Db 379 GVAVVVFAMCLLILGGRYFARKGTYTHEAKGADDAADTAINAEGQNSEEKK 438  
QY . 421 EYF 423  
Db 439 EYF 441

**RESULT 4**  
US-09-778-187B-2  
; Sequence 2, Application US/09778187B  
; Patent No. US200216712A1  
; GENERAL INFORMATION:  
; APPLICANT: Baum, Peter R.  
; APPLICANT: Fanslow III, William C  
; TITLE OF INVENTION: MOLECULES DESIGNATED LDCAM  
; FILE REFERENCE: 2844-US  
; CURRENT APPLICATION NUMBER: US/09/778,187B

GenCore version 5.1.6  
 Copyright (c) 1993 - 2003 Compugen Ltd.

### Om protein - protein search, using sw model

Run on: June 3, 2003, 10:15:57 ; Search time 12.2636 Seconds  
 (without alignments)  
 1060.451 Million cell updates/sec

Title: US-09-778-187B-2  
 Perfect score: 2283  
 Sequence: 1 MASVVLPSGSQCAAAANAAA.....AINAEGGNNSEEKKKEYFI 442

Scoring table: BLOSUM62  
 Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

The number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0  
 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
 Maximum Match 100%  
 Listing First 45 summaries

Database : Issued\_Patents\_AK:  
 1: /cggn\_2\_6/\_ptodata/1/1aa/5A\_COMBO.pep:\*\*  
 2: /cggn\_2\_5/\_ptodata/1/1aa/5B\_COMBO.pep:\*\*  
 3: /cggn\_2\_6/\_ptodata/1/1aa/6A\_COMBO.pep:\*\*  
 4: /cggn\_2\_6/\_ptodata/1/1aa/6B\_COMBO.pep:\*\*  
 5: /cggn\_2\_5/\_ptodata/1/1aa/PCUS\_COMBO.pep:\*\*  
 6: /cggn\_2\_6/\_ptodata/1/1aa/backTitle.pep:\*\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

### SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description	ALIGMENTS
1	902	39.5	444	2 US-08-659-984A-5	
2	902	39.5	444	4 US-08-660-531-5	Sequence 5, Appl
3	895.5	39.2	421	2 US-08-659-984A-1	Sequence 1, Appl
4	895.5	39.2	421	4 US-08-659-984A-1	Sequence 1, Appl
5	895.5	39.2	421	4 US-08-659-984A-1	Sequence 1, Appl
6	232	10.2	393	1 US-08-420-742-2	Sequence 2, Appl
7	222	9.7	389	4 US-09-435-956A-1	Sequence 1, Appl
8	208	9.1	389	1 US-08-429-424-4	Sequence 4, Appl
9	206	9.0	642	1 US-08-217-299-1	Sequence 1, Appl
10	206	9.0	698	2 US-08-602-725-36	Sequence 36, Appl
11	206	9.0	734	2 US-08-389-459A-17	Sequence 17, Appl
12	200.5	8.8	308	2 US-08-414-6570-46	Sequence 46, Appl
13	200.5	8.8	325	2 US-08-414-6570-2	Sequence 2, Appl
14	200.5	8.8	325	2 US-08-414-6570-41	Sequence 1, Appl
15	200.5	8.8	325	4 US-09-135-080-2	Sequence 41, Appl
16	197.5	8.7	338	2 US-08-414-6570-42	Sequence 2, Appl
17	199.5	8.7	338	2 US-08-414-6570-43	Sequence 42, Appl
18	199.5	8.7	338	4 US-09-135-080-4	Sequence 43, Appl
19	199.5	8.7	1241	4 US-09-040-774-2	Sequence 4, Appl
20	188.5	8.7	315	2 US-08-414-6570-47	Sequence 47, Appl
21	188.5	8.7	408	4 US-09-724-864-62	Sequence 62, Appl
22	187.5	8.7	338	2 US-08-414-6570-60	Sequence 60, Appl
23	187.5	8.7	338	4 US-09-135-080-8	Sequence 8, Appl
24	197	8.6	583	2 US-08-432-016-2	Sequence 2, Appl
25	197	8.6	258	2 US-08-594-2	Sequence 2, Appl
26	195.5	8.6	1651	4 US-09-540-245A-18	Sequence 18, Appl
27	193.5	8.5	1395	4 US-09-540-245A-15	Sequence 15, Appl

RESULT 1  
 US-08-659-984A-5  
 Sequence 5, Application US/08659984A  
 Patent No. 5942400  
 GENERAL INFORMATION:  
 APPLICANT: Anderson, John P.  
 APPLICANT: Simha, Sukanto  
 APPLICANT: Jacobson-Croak, Kirsten L.  
 TITLE OF INVENTION: Assay for Detecting Beta-Secretase  
 TITLE OF INVENTION: Inhibition  
 NUMBER OF SEQUENCES: 21  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Townsend and Townsend and Crew LLP  
 STREET: Two Embarcadero Ctr., 8th Floor  
 CITY: San Francisco  
 STATE: California  
 COUNTRY: USA  
 ZIP: 94111-3134  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/659, 984A  
 FILING DATE: 07-JUN-1996  
 CLASSIFICATION: 436  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/485, 152  
 FILING DATE: 07-JUN-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Heulin, James M.  
 REGISTRATION NUMBER: 29, 541  
 REFERENCE/DOCKET NUMBER: 15270-002810US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415-326-2400  
 TELEFAX: 415-326-4222  
 INFORMATION FOR SEQ ID NO: 5:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 444 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-659-984A-5

Query Match Similarity 39.5%; Score 902; DB 2; Length 444;  
 Matches 194; Conservative 74; Mismatches 137; Indels 30; Gaps 7;

31 LLFSAA--LIPTGDCQNLITKDVIEGRATISQVNKSDDSVIQLNPNRQIYFR 87  
 TYPE: amino acid  
 STRANDBNESS: single  
 TOPOLGY: linear  
 MOLECULE TYPE: protein

US-08-660-531-5

Query Match Similarity 39.5%; Score 902; DB 4; Length 444;  
 Best Local Similarity 44.6%; Pred. No. 5.9e-71; Mismatches 137; Indels 30; Gaps 7;  
 Matches 194; Conservative 74; Mismatches 137; Indels 30; Gaps 7;

QY 31 LLFSAA--LIPTGDCQNLITKDVIEGRATISQVNKSDDSVIQLNPNRQIYFR 87  
 Db 17 LLOQAASKNKVKGSQGQPFTQPNVTVEGCTAILTCRVDNDNTSLQWSNPACQTYFD 76  
 QY 205 LMLKVHKEDGPVQCVERHATVGNLQ-TORYLWQYQPKQPHIQMTPQGLTREGDAL 263  
 Db 197 LDPRVDRSDGGAVICRDHSLSNATPQAMOVLBHYTPVKI--IPSPFPQBGQPL 253  
 QY 264 ELTCEAIGKRPQVMVTWVRVDEM-POHAVLISGNLFINNINKTDNGTYCEASNVK 321  
 Db 254 ILTCESKGKPLPEPVLPWTKGELDPDRMVSGREBLNIFLANKDNGTYCREATNTIGO 313  
 QY 368 STRAVDHAVIGVWVVFAMCLLIGYFARKGTYFHEAKGADADATINA 427  
 Db 374 P---DHALIGIVAVWFVTLCSFLLGRLARHGTYLTNEAKGAEDADPATINA 429  
 QY 428 EGGQNONSEEKKEYFI 442  
 Db 430 EGSOVNAEKKKEYFI 444

RESULT 2

US-08-660-531-5

; Sequence 5, Application US/08660531

; Patent No. 6221645

GENERAL INFORMATION:

APPLICANT: Chryster, Susanna M.S.

APPLICANT: Sinha, Sukanto

APPLICANT: Kim, Pamela S.

APPLICANT: Anderson, John P.

TITLE OF INVENTION: Beta-Secretase

NUMBER OF SEQUENCES: 21

CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend and Crew LLP

STREET: Two Embarcadero Ctr., 8th Floor

CITY: San Francisco

STATE: California

COUNTRY: USA

ZIP: 94111-3834

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/660, 531

FILING DATE: 07-JUN-1995

CLASIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/480, 498

FILING DATE: 07-JUN-1995

ATTORNEY/AGENT INFORMATION:

NAME: Heslin, James M.

REGISTRATION NUMBER: 29, 541

REFERENCE/DOCKET NUMBER: 15270-002210US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415-326-2400

TELEFAX: 415-326-2422

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 44 amino acids

RESULT 3

US-08-659-984A-1

; Sequence 1, Application US/08659984A

; Patent No. 5542400

GENERAL INFORMATION:

APPLICANT: Anderson, John P.

APPLICANT: Jacobson-Croak, Kirsten L.

APPLICANT: Sinha, Sukanto

TITLE OF INVENTION: Assays for Detecting Beta-Secretase

TITLE OF INVENTION: Inhibition

NUMBER OF SEQUENCES: 21

CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend and Crew LLP

STREET: Two Embarcadero Ctr., 8th Floor

CITY: San Francisco

STATE: California

COUNTRY: USA

ZIP: 94111-3834

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/480, 984

FILING DATE: 07-JUN-1996

CLASIFICATION: 436

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/485, 152

FILING DATE: 07-JUN-1995

Gencore version 5.1.6  
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using SW model

Run on: June 3, 2003, 10:23:23 ; Search time 19.4173 Seconds

(without alignments)  
2304.171 Million cell updates/sec

Title: US-09-778-187B-2

Perfect score: 2283

Sequence: 1 MASVVLPSGSQCAAAAAA.....AINNEGGQNNSERKKEYFI 442

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 383519 seqs, 101223694 residues

T number of hits satisfying chosen parameters: 383519

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published\_Applications\_AA.\*

1: /cggn2\_6/ptodata/1/pubpaa/US08 NEW PUB.pep;\*

2: /cggn2\_6/ptodata/1/pubpaa/PCT NEW PUB.pep;\*

3: /cggn2\_6/ptodata/1/pubpaa/US06 NEW PUB.pep;\*

4: /cggn2\_6/ptodata/1/pubpaa/PUBCOMB.pep;\*

5: /cggn2\_6/ptodata/1/pubpaa/US07 NEW PUB.pep;\*

6: /cggn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep;\*

7: /cggn2\_6/ptodata/1/pubpaa/PCTUS PUBCOMB.pep;\*

8: /cggn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep;\*

9: /cggn2\_6/ptodata/1/pubpaa/US09\_NEW PUB.pep;\*

10: /cggn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep;\*

11: /cggn2\_6/ptodata/1/pubpaa/US10\_NEW PUB.pep;\*

12: /cggn2\_6/ptodata/1/pubpaa/US10\_PUBCOMB.pep;\*

13: /cggn2\_6/ptodata/1/pubpaa/US60 NEW PUB.pep;\*

14: /cggn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep;\*

ALIGNMENTS

RESULT 1

US-09-778-510-20

; Sequence 20, Application US/09778510

; Patent No. US20020164686A1

; GENERAL INFORMATION:

; APPLICANT: Baum, Peter

; TITLE OF INVENTION: Molecules Designated B7L1

; FILE REFERENCE: 284-US

; CURRENT APPLICATION NUMBER: US/09/778,510

; CURRENT FILING DATE: 2001-02-07

; PRIOR APPLICATION NUMBER: PCT/US99/17906

; PRIOR FILING DATE: 1999-08-05

; PRIOR APPLICATION NUMBER: 60/095,663

; PRIOR FILING DATE: 1998-08-07

; SOFTWARE: PatentIn Ver. 2.0

; NUMBER OF SEQ ID NOS: 22

; SEQ ID NO 20

; LENGTH: 442

; TYPE: PRT

; ORGANISM: Homo sapien

US-09-778-510-20

Query Match 100.0%; Score 2283; DB 9; Length 442;

Best Local Similarity 100.0%; Pred. No. 4.5e-130;

Matches 442; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Sequence 20, Appli

Sequence 21, Appli

Sequence 22, Appli

Sequence 23, Appli

Sequence 24, Appli

Sequence 25, Appli

Sequence 26, Appli

Sequence 27, Appli

Sequence 28, Appli

Sequence 29, Appli

Sequence 30, Appli

Sequence 31, Appli

Sequence 32, Appli

Sequence 33, Appli

Sequence 34, Appli

Qy

1 MASVVLPSGSQCAAAAAAAPPGLRLILFLFSAALIIPRGDGONIFTKDVIVSERVA 60

Db

1 MASVVLPSGSQCAAAAAAAPPGLRLILFLFSAALIIPRGDGONIFTKDVIVSERVA 60

Qy

61 TTSQVQKSDPSVQLQNPRTQYFRPFLPKDSRQLQNFSSSEKVLSNTNSDEG 120

Db

61 TTSQVQKSDPSVQLQNPRTQYFRPFLPKDSRQLQNFSSSEKVLSNTNSDEG 120

Qy

121 RIFCOLYIDPQPSYTITLVUPRNIMIQDQTAWEGETBVNCATAMASKPATIRWF 180

Db

121 RIFCOLYIDPQPSYTITLVUPRNIMIQDQTAWEGETBVNCATAMASKPATIRWF 180

Qy

181 KGTELIGKSEFEWBSMWTQSLQMLKVKHEDDGVPICOVHPATGNLQTYLEVO 240

Db

181 KGTELIGKSEFEWBSMWTQSLQMLKVKHEDDGVPICOVHPATGNLQTYLEVO 240

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No. Score Query Match Length DB ID Description

Result No.	Score	Query	Match	Length	DB	ID	Description
1	2283	100.0	442	9	US-09-778-510-20		Sequence 20, Appli
			Sequence 21, Appli				Sequence 22, Appli
			Sequence 23, Appli				Sequence 24, Appli
			Sequence 25, Appli				Sequence 26, Appli
			Sequence 27, Appli				Sequence 28, Appli
			Sequence 29, Appli				Sequence 30, Appli
			Sequence 31, Appli				Sequence 32, Appli
			Sequence 33, Appli				Sequence 34, Appli
			Sequence 35, Appli				Sequence 36, Appli
			Sequence 37, Appli				Sequence 38, Appli
			Sequence 39, Appli				Sequence 40, Appli
			Sequence 41, Appli				Sequence 42, Appli
			Sequence 43, Appli				Sequence 44, Appli
			Sequence 45, Appli				Sequence 34, Appli

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

RESULT 2  
US-09-778-187B-2  
; Sequence 2, Application US/0978187B  
; Patent No. US20020168712A1  
; INTERNAL INFORMATION:  
; APPLICANT: Baum, Peter R.  
; APPLICANT: Fanslow III, William C  
; TITLE OF INVENTION: MOLECULES DESIGNATED LDCAm  
; FILE REFERENCE: 2873-US  
; CURRENT APPLICATION NUMBER: US/09/778, 187B  
; CURRENT FILING DATE: 2001-02-06  
; PRIOR APPLICATION NUMBER: PCT/US99/117905  
; PRIOR FILING DATE: 1999-08-05  
; PRIOR APPLICATION NUMBER: US 60/095, 672  
; PRIOR FILING DATE: 1998-08-07  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 2  
; LENGTH: 442  
; TYPE: PRT  
; ORGANISM: homo sapiens  
; US-09-778-187B-2

Query Match 100.0%; Score 2283; DB 9; Length 442;  
Best Local Similarity 100.0%; Pred. No. 4.5e-130; Matches 442; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MASVVLPGSGQCACAAAAAPPGIRRLILFSAALIPTGDNQLFTKDVTYIEGEVA 60  
Db 1 MASVVLPGSGQCACAAAAAPPGIRRLILFSAALIPTGDNQLFTKDVTYIEGEVA 60

Qy 61 TISQVNKSDDSVTQLPNRQTYFRDPRPLKDSRFOLINSSSELKVLNVISDEG 120  
Db 61 TISQVNKSDDSVTQLPNRQTYFRDPRPLKDSRFOLINSSSELKVLNVISDEG 120

Qy 61 TISQVNKSDDSVTQLPNRQTYFRDPRPLKDSRFOLINSSSELKVLNVISDEG 120  
Db 61 TISQVNKSDDSVTQLPNRQTYFRDPRPLKDSRFOLINSSSELKVLNVISDEG 120

Qy 121 RYFCQLYTDPPESYTITVLVPRNLMIDQKDTAVEGEETEVNCTAMASKATTWF 180  
Db 121 RYFCQLYTDPPESYTITVLVPRNLMIDQKDTAVEGEETEVNCTAMASKATTWF 180

Qy 121 RYFCQLYTDPPESYTITVLVPRNLMIDQKDTAVEGEETEVNCTAMASKATTWF 180  
Db 121 RYFCQLYTDPPESYTITVLVPRNLMIDQKDTAVEGEETEVNCTAMASKATTWF 180

Qy 181 KGNTELKGKSEVEWSMTVSQLMLKVHKEDGVPIQCVHHPATVGNLQTYLEVO 240  
Db 181 KGNTELKGKSEVEWSMTVSQLMLKVHKEDGVPIQCVHHPATVGNLQTYLEVO 240

Qy 241 YKQVHQIOMTYPLQGLTREGDAELTCAGKQPWMTWVRUDDEMOPHAVLSGPMLFI 300  
Db 241 YKQVHQIOMTYPLQGLTREGDAELTCAGKQPWMTWVRUDDEMOPHAVLSGPMLFI 300

Qy 301 NNLINKTDGTYCEASNTVGKAHDYMLVYDPPTTPPTTTTTTTTILTIID 360  
Db 301 NNLINKTDGTYCEASNTVGKAHDYMLVYDPPTTPPTTTTTTILTIID 360

Qy 361 SRAGEEGSIRAVDHAVIGGVAVVVFAMCLLILGRYFARKGTYFTHEAKGADDA 420  
Db 361 SRAGEEGSIRAVDHAVIGGVAVVVFAMCLLILGRYFARKGTYFTHEAKGADDA 420

Qy 421 DTAINAQGQNNEEKKEYFI 442  
Db 421 DTAINAQGQNNEEKKEYFI 442

RESULT 3  
US-09-904-130-136  
; Sequence 136, Application US/09984130  
; Publication No. US20030055231A1  
; INTERNAL INFORMATION:  
; APPLICANT: Ni et al.  
; TITLE OF INVENTION: 12 Human Secreted Proteins  
; FILE REFERENCE: PFF89P2  
; CURRENT APPLICATION NUMBER: US/09/984, 130  
; CURRENT FILING DATE: 2001-10-29  
; CURRENT FILING DATE: 2001-10-29  
; PRIOR APPLICATION NUMBER: 60/198, 407  
; PRIOR FILING DATE: 2000-04-19  
; PRIOR APPLICATION NUMBER: PCT/US99/25031  
; PRIOR FILING DATE: 1999-10-27  
; PRIOR APPLICATION NUMBER: 60/105, 971  
; PRIOR FILING DATE: 1998-10-28  
; NUMBER OF SEQ ID NOS: 149  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 136  
; LENGTH: 444  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-09-984-130-136

Query Match 100.0%; Score 2283; DB 9; Length 442;  
Best Local Similarity 100.0%; Pred. No. 4.5e-130; Matches 442; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MASVVLPGSGQCACAAAAAPPGIRRLILFSAALIPTGDNQLFTKDVTYIEGEVA 60  
Db 1 MASVVLPGSGQCACAAAAAPPGIRRLILFSAALIPTGDNQLFTKDVTYIEGEVA 60

Qy 61 TISQVNKSDDSVTQLPNRQTYFRDPRPLKDSRFOLINSSSELKVLNVISDEG 120  
Db 61 TISQVNKSDDSVTQLPNRQTYFRDPRPLKDSRFOLINSSSELKVLNVISDEG 120

Qy 121 RYFCQLYTDPPESYTITVLVPRNLMIDQKDTAVEGEETEVNCTAMASKATTWF 180  
Db 121 RYFCQLYTDPPESYTITVLVPRNLMIDQKDTAVEGEETEVNCTAMASKATTWF 180

Qy 181 KGNTELKGKSEVEWSMTVSQLMLKVHKEDGVPIQCVHHPATVGNLQTYLEVO 240  
Db 181 KGNTELKGKSEVEWSMTVSQLMLKVHKEDGVPIQCVHHPATVGNLQTYLEVO 240

Qy 241 YKQVHQIOMTYPLQGLTREGDAELTCAGKQPWMTWVRUDDEMOPHAVLSGPMLFI 300  
Db 241 YKQVHQIOMTYPLQGLTREGDAELTCAGKQPWMTWVRUDDEMOPHAVLSGPMLFI 300

Qy 301 NNLINKTDGTYCEASNTVGKAHDYMLVYDPPTTPPTTTTTTILTIID 360  
Db 301 NNLINKTDGTYCEASNTVGKAHDYMLVYDPPTTPPTTTTTTILTIID 360

Qy 361 SRAGEEGSIRAVDHAVIGGVAVVVFAMCLLILGRYFARKGTYFTHEAKGADDA 420  
Db 361 SRAGEEGSIRAVDHAVIGGVAVVVFAMCLLILGRYFARKGTYFTHEAKGADDA 420

Qy 421 DTAINAQGQNNEEKKEYFI 442  
Db 421 DTAINAQGQNNEEKKEYFI 442

RESULT 4  
US-09-944-413-61  
; Sequence 61, Application US/09944413  
; Patent No. US20020156004A1

GenCore version 5.1.6  
 Copyright (c) 1993 - 2003 Compugen Ltd.

## OM protein - protein search, using sw model

Run on: June 3, 2003, 10:15:57 ; Search time 11.7364 Seconds  
 (without alignments)  
 1060.451 Million cell updates/sec

Title: US-09-778-187B-4

Perfect score: 2197

Sequence: 1 AAPGRLRRLRLLISAA... TAINAEGQNNSEKKEYF 423

Scoring table: BL0SUN62 Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

1 number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
 Maximum Match 100%

Database : Issued Patents AA:\*

1: /cggn\_6/\_ptodata/1/1aa/5A\_COMBO.pep:\*\*  
 2: /cggn\_6/\_ptodata/1/1aa/5B\_COMBO.pep:\*\*  
 3: /cggn\_6/\_ptodata/1/1aa/6A\_COMBO.pep:\*\*  
 4: /cggn\_6/\_ptodata/1/1aa/6B\_COMBO.pep:\*\*  
 5: /cggn\_6/\_ptodata/1/1aa/PCTUS\_COMBO.pep:\*\*  
 6: /cggn\_6/\_ptodata/1/1aa/backTitlest.pep:\*\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

## ALIGNMENTS

RESULT 1  
 Sequence 5, Application US/00659984A  
 Patent No. 5942400  
 GENERAL INFORMATION:  
 APPLICANT: Anderson, John P.  
 APPLICANT: Simha, Sukanto  
 APPLICANT: Jacobson-Croak, Kirsten L.  
 TITLE OF INVENTION: Assays for Detecting Beta-Secretase  
 TITLE OF INVENTION: Inhibition  
 NUMBER OF SEQUENCES: 21  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Townsend and Townsend and Crew LLP  
 STREET: Two Embarcadero Ctr., 8th Floor  
 CITY: San Francisco  
 STATE: California  
 COUNTRY: USA  
 ZIP: 94111-3134  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/659,984A  
 FILING DATE: 07-JUN-1996  
 CLASSIFICATION: 436  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/485,152  
 FILING DATE: 07-JUN-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Heulin, James M.  
 REGISTERED NUMBER: 29,541  
 REFERENCE/DOCKET NUMBER: 15270-002810US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415-326-2400  
 TELEFAX: 415-326-4222  
 INFORMATION FOR SEQ ID NO: 5:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 444 amino acid  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein

US-08-659-984A-5

Query Match 41.1%; Score 904; DB 2; Length 444;  
 Best Local Similarity 44.7%; Pred. No. 2; 8e-72;  
 Matches 194; Conservative 74; Mismatches 136; Indels 30; Gaps 7;  
 Sequence 18, Appli  
 Sequence 62, Appli

